



15541 U.S.PTO
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TRANSMITTAL FOR U.S. PATENT APPLICATION
UNDER 37 CFR §1.53(b)

MAIL STOP: PATENT APPLICATION
Commissioner For Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Attorney Docket No. TI-37082 (032350.B577)
Express Mail Certificate No. EV 323451032 US

This Application claims the benefit, under 35 U.S.C. § 119(e), of U.S. Provisional Application No. 60/486,663, filed July 11, 2003.

Sir:

Transmitted herewith for filing is the original patent application of:

Inventors: Kendall S. Wills et al.

Filing Date: December 31, 2003

For: *Wavelet Analysis of One or More Time Domain Reflectometry (TDR) Signals to Determine One or More Characteristics of One or More Anomalies in a Wire*

Enclosed are:

Specification, Claims and Abstract (20 pages);
 Drawing(s) 1 Total Sheet(s) of Formal Informal;
 Combined Declaration and Power of Attorney (2 pages)
 Newly executed (original or copy);
 An Assignment (2 pages) of the invention to Texas Instruments Incorporated is attached. A separate cover sheet (2 pages) in compliance with 37 C.F.R. §§ 3.28, .31 is included. Please charge the assignment recordal fee of \$40.00 pursuant to 37 C.F.R. § 1.21(h) to Deposit Account No. 20-0668 of Texas Instruments Incorporated;
 Certificate of Mailing (1 Page);
 Texas Instruments Incorporated Return Receipt Postcard (1);
 Baker Botts L.L.P. Return Receipt Postcard (1);
 This Transmittal (2 pages).

Applicant is:

Large Entity
 Small Entity

The accompanying application is:

Original.
 Continuation Divisional Continuation-In-Part (CIP) of prior application No.
which is hereby incorporated by reference therein.

FEE CALCULATION					FEE
	Number		Number Extra	Rate	Basic Fee
Total Claims	16	- 20	0	X \$18.00 =	00.00
Independent Claims	5	-3	2	X \$86.00 =	172.00
TOTAL FILING FEE =					\$ 942.00

Please charge the filing fee of **\$942.00** and any other fee required by this paper and credit any overpayment to Deposit Account No. 20-0668 of TEXAS INSTRUMENTS INCORPORATED. This document is being transmitted in duplicate.

BAKER BOTTS L.L.P.
Attorneys for Applicant


Christopher W. Kennerly
Registration No. 40,675

Date: December 31, 2003

Correspondence Address:

Customer Number **23494**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

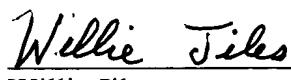
In re Application of: Kendall S. Wills et al.
Filing Date: December 31, 2003
Title: *Wavelet Analysis of One or More Time Domain Reflectometry (TDR) Signals to Determine One or More Characteristics of One or More Anomalies in a Wire*

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Commissioner For Patents
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Dear Sir:

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that the attached Filing Fee Transmittal (2 pages), Patent Application (20 pages), Formal Drawings (1 sheet), Declaration and Power of Attorney (2 pages), Assignment of the inventors to TEXAS INSTRUMENTS INCORPORATED (2 pages), separate Assignment Recordation coversheet (2 pages) corporated return receipt postcard (1 card), and this Certificate of Mailing are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on this 31st day of December, 2003 and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.



Willie Jiles

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